



FORM PTO - 1449

INFORMATION DISCLOSURE STATEMENT

ATTORNEY DOCKET NO.: AFN-001

SERIAL NO.: 10/053,353

FILING DATE: November 9, 2001

AUG 2 0 2003 ROUP 3600

| | FILING DATE: November 9, 2001 | | | | | | | HOO ~ | |
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| | | | | GROUP: | 3623 | | | G | ROUP |
| | | U.S. | PATENT | DOCUM | ENTS | | | | - <u></u> |
| - | DOCUMENT NUMBER | DATE | NAME | | | CLASS | SUB CLASS | | NG DATE IF PROPRIATE |
| A1. | 4,935,877 | 06-19-90 | Koza | | | 706 | 13 | | |
| A2. | 5,041,972 | 08-20-91 | Frost | | | 364 | 401 | | |
| A3. | 5,124,911 | 06-23-92 | Sack | | | 364 | 401 | | |
| A4. | 5,222,192 | 06-22-93 | Shaefer | | | 395 | 13 | | |
| A5. | 5,255,345 | 10-19-93 | Shaefer | | | 395 | 13 | | |
| A6. | 5,375,195 | 12-20-94 | Johnston | Johnston | | | 135 | | |
| A7. | 5,400,248 | 03-21-95 | Chisholm | Chisholm | | | 409 | | |
| A8. | 5,559,729 | 09-24-96 | Abe | | | 364 | 578 | | |
| A9. | 5,913,204 | 06-15-99 | Kelly | * 17. | | 705 | 500 | | |
| A10. | 5,930,780 | 07-27-99 | Hughes et al. | | | 706 | 13 | | |
| A11. | 5,995,951 | 11-30-99 | Ferguson | Ferguson | | 706 | 10 | | |
| A12. | 6,078,740 | 06-20-00 | DeTreville | | | 395 | 500.43 | | • |
| A13. | 6,088,510 | 07-11-00 | Sims | | | 395 | 13 | | |
| A14. | 6,125,351 | 09-26-00 | Kauffman | | | 705 | 7 | | · · |
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| | | FOREI | GN PATEN | NT DOC | JMENTS | 3 | | | |
| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB CLASS | FILING DATE | ABSTR/ ONLY | ACT | ENGLISH LANG (Y/N) |
| B1. | WO 00/02138 | 13.01.00 PCT G06F 15/21 06.07.9 N | | N | | Υ | | | |
| | A2. A3. A4. A5. A6. A7. A8. A9. A10. A11. A12. A13. | NUMBER A1. 4,935,877 A2. 5,041,972 A3. 5,124,911 A4. 5,222,192 A5. 5,255,345 A6. 5,375,195 A7. 5,400,248 A8. 5,559,729 A9. 5,913,204 A10. 5,930,780 A11. 5,995,951 A12. 6,078,740 A13. 6,088,510 A14. 6,125,351 DOCUMENT NUMBER | DOCUMENT NUMBER | U.S. PATENT DOCUMENT NUMBER A1. 4,935,877 06-19-90 Koza A2. 5,041,972 08-20-91 Frost A3. 5,124,911 06-23-92 Sack A4. 5,222,192 06-22-93 Shaefer A5. 5,255,345 10-19-93 Shaefer A6. 5,375,195 12-20-94 Johnston A7. 5,400,248 03-21-95 Chisholm A8. 5,559,729 09-24-96 Abe A9. 5,913,204 06-15-99 Kelly A10. 5,930,780 07-27-99 Hughes e A11. 5,995,951 11-30-99 Ferguson A12. 6,078,740 06-20-00 DeTreville A13. 6,088,510 07-11-00 Sims A14. 6,125,351 09-26-00 Kauffman FOREIGN PATEN DOCUMENT NUMBER DATE COUNTRY CODE | U.S. PATENT DOCUM DOCUMENT NUMBER NAME | U.S. PATENT DOCUMENTS DOCUMENT NAME | U.S. PATENT DOCUMENTS DOCUMENT NAME | U.S. PATENT DOCUMENTS DOCUMENT NAME | U.S. PATENT DOCUMENTS U.S. PATENT DOCUMENTS DOCUMENT NAME |



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| | | OTHER ART, JOURNAL ARTICLES, ETC. | | | | | |
|----------------|------|---|--|--|--|--|--|
| EXAM. INIT. | ОТНІ | OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication) | | | | | |
| 20 | C1. | Sims, "Artificial Evolution for Computer Graphics," Computer Graphics, 25(4):319-328 (July 1991). | | | | | |
| | C2. | Kim et al., "Knowledge-based Encoding in Interactive Genetic Algorithm for a Fashion Design Aid System," Genetic and Evolutionary Computation Conference; July 10-12, 2000, pg. 757. | | | | | |
| | C3. | Garcia, "Computer Screen Design Aided by a Genetic Algorithm," in <u>Late Breaking Papers at the</u> 2000 Genetic and Evolutionary Computation Conference, Whitley, D. ed. (2000) pgs. 98-101. | | | | | |
| | C4. | Balakrishnan et al., "Genetic Algorithms for Product Design," Management Science, 42(8):1105-1117 (August 1996). | | | | | |
| | C5. | Graf et al., "Interactive Evolution of Images," <u>Evolutionary Programming IV – Proc. Fourth Annual Conf. – Evolutionary Programming</u> , MIT Press: Cambridge, Mass., 53-65 (1995). | | | | | |
| | C6. | Rowland, "Computer Graphic Control over Human Face and Head Appearance, Genetic Optimisation of Perceptual Characteristics," Ph.D. Thesis, University of St. Andrews, Scotland (January 5, 1998). | | | | | |
| | C7. | Haupt et al., <u>Practical Genetic Algorithms</u> , 66-70 & 85-88 (1998). | | | | | |
| | C8. | Kim et al., "Application of Interactive Genetic Algorithm to Fashion Design," Engineering Applications of Artificial Intelligence, (13):635-644 (2000). | | | | | |
| | C9. | O'Reilly et al., "A Preliminary Investigation of Evolution as a Form Design Strategy," in <u>Artificial Life VI</u> , MIT Press: Cambridge, Mass. (1998). | | | | | |
| | C10. | O'Reilly et al., "Evolution as a design strategy for nonlinear architecture: Generative modeling of 3-D surfaces," (1998). | | | | | |
| | C11. | Johnston, Why We Feel: The Science of Human Emotions, Perseus Books: Cambridge, Mass. 152-155 (1999). | | | | | |
| V | C12. | Witbrock et al., "Evolving Genetic Art," Evolutionary Design by Computers, 251-259 (1999). | | | | | |
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| EXAMINE | R | DATE CONSIDERED OCT 0 1 2005 | | | | | |
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